BT 1000

Hands-free system for mobile phones

Operating manual

ALAN Electronics GmbH

General information BT 1000

The headset BT 1000 is a comfortably to wear wireless hands-free headset for mobile phones that are equipped with Bluetooth™ technology. This new Bluetooth™ technology gives you the opportunity to pair mobile phones of any brand with Bluetooth™ technology such as i. e. Nokia 6310, Ericsson T 39, T 68, Sony-Ericsson T 68i or Philips Fisio 820 with Bluetooth™ hands-free headsets.

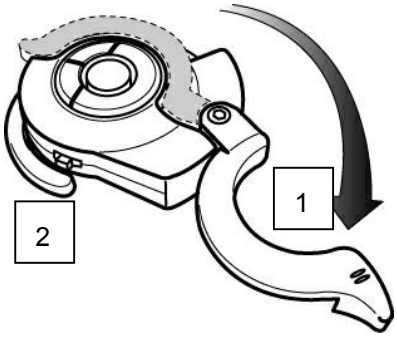
Package includes:

- **Headset** with integrated Bluetooth™ technology and Lithium-Ion rechargeable battery
- **Charging station** to charge the headset and for storing
- **Adaptor** to fix the charging station in your car
- **Adaptor 12V** to connect the charging station in your car
- **Wall charger** 230 V
- **Neck strap** for headset

Hint: The headset can also be used in connection with the audio gateway BT 2000 and regular phones and vice versa.

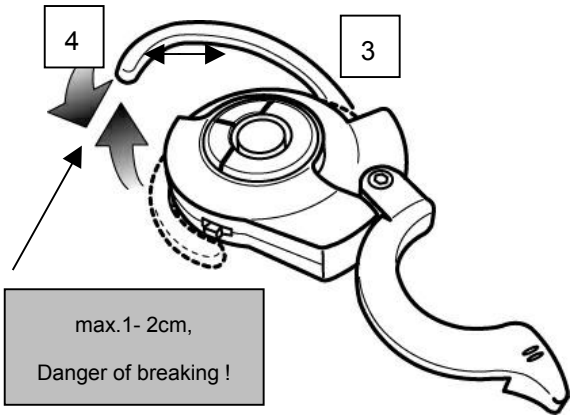
Please use only the supplied accessories. Operate the charging station only in connection with the specially designed wall charger or the approved original adapter for your vehicle, other chargers may damage the headset or the charging station, besides this they are not permitted. ***Never open the headset or try to change or even open the lithium battery by yourself!***

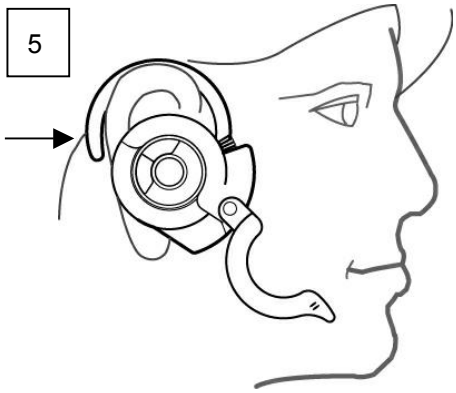
Important advice to prepare the headset before wearing on your ear



The headset is being delivered folded up. The same position is used for charging in the charging station or for storing. To wear it on your ear please turn the microphone arm (1) as indicated downwards. The earhook (2) is flexible at the end so that it can be adjusted to the individual ear shape.

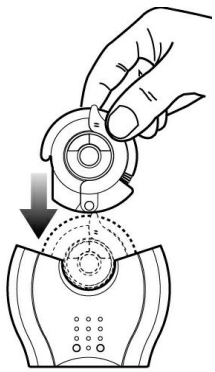
To wear it on your ear fold the earhook (3) **backwards for no more than 1 or 2 cm**.





The earhook (3) can be adjusted in the rear part (4) so that it fits perfectly to your ear.
The headset is simply hung up on the ***right ear*** (5). It will fit comfortably, if you adjust the flexible part of the earhook (4, 5) to your ear's shape.
Hint: Please refrain from folding out the earmount any further than necessary. There should only be enough space between the headset and your ear to ensure a comfortable position. Under no circumstances should the earmount be folded like the microphone!

Use of the BT 1000 in your vehicle and first charging



Operation in your vehicle: If you plan to use the Bluetooth™ headset exclusively in your vehicle, fix the mobile adaptor (i. e. with adhesive tape) in a suitable position in your vehicle and connect the charging station via the included adaptor cable with the cigar lighter in your car . Fold up the Bluetooth™ headset and put it in the

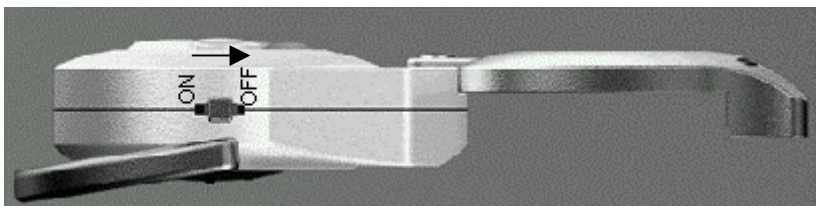
charging station allowing one hour charging time before first use.

It can be useful to carry out the first charging at a 230V mains supply.

Charging starts the moment the headset is being placed in the charging station. 1.5 to 2.5 hours are being needed to fully charge a completely empty BT 1000. The left indicator light gives you information of the state of charging. (***red = charging***, ***green = battery full***). *With* ***the headset switched on*** *the indicator light will be* ***green*** *when charging is finished, followed by a* ***short red flashing*** *once per second.*

- Operation at the 230V mains supply: Use the charging adaptor as a charging station. Place the wall charger in a 230V socket and place the hollow plug in the marked socket of the charging adaptor. (The top socket is blocked because it is designed for a special adaptor for regular telephones that are not equipped with Bluetooth™ technology and is not available in Europe).

- You can reduce the charging time by switching ***off*** the Bluetooth™ headset before charging (in direction of the arrow).



Connecting the mobile phone to your Bluetooth™ Headset

Your mobile phone can establish a connection that protects you from eaves-dropping. To do so the telephone needs information to identify your Bluetooth™ headset as its exclusive partner. This procedure is called „pairing“. This is very important because you don`t want any other Bluetooth™ headsets in your vicinity to coincidentally be connected with your telephone or vice versa.

Pairing your mobile phone

Connecting of Bluetooth™ accessories with your mobile phone depends on the respective installation menue of your mobile phone. ***Please refer to the operations manual of your phone.*** Read the instructions for the pairing procedures, issued by the mobile phone manufacturers. You may also find the latest updated instructions on the internet pages of the mobile phone manufacturers.

For pairing it is important to have the Bluetooth™ headset charged and ready to switch it on next to your mobile phone.

Before registering your new Bluetooth™ headset at your mobile phone, the headset has to be prepared for being connected to a mobile phone. This is being done by **reset.** The first step is to switch off the headset,

then switch it on again and press **all 3 keys simultaneously** for about **3 seconds**. Now you can hear a short melody for confirmation. Release the keys. Finally, switch the headset 1 x **off** and **on** again with the slide switch. Your Bluetooth™ headset is ready for pairing with your mobile phone.

On the mobile phone's side You start the pairing procedure as described in the user manual of Your phone. Within the setup menu Your phone will search for active Bluetooth™ devices in Your communication range. Your headset will be detected as „**BT 1000 by Albrecht**". Mobile phone and Bluetooth™ headset will exchange data, which contain among others also the individual serial numbers of all devices. So it is ensured that a communication can only start between registered partners. After registration of Your Bluetooth™ headset You will be asked for a PIN code. Please use following PIN code:

1234

(if Your headset user manual or gift box should contain a card with another PIN code, please use this PIN code instead of 1234)

Note: All major mobile phone manufacturers update the Bluetooth™ pairing procedures from time to time together with their software releases. The mobile phone distributors may assist you. New releases can be found on the internet pages of the mobile phone manufacturers. ***The attached menu was last updated beginning of 2003.***

Accept incoming calls and adjust receiving volume

- You can transfer incoming calls by pressing the start-stop button ■ at Your BT 1000 Bluetooth™ headset. The switching from mobile phone to the headset will take a small moment only. .
- Adjust the earphone volume by pressing the volume buttons ◀ or ▶ of the headset according to your needs. You may also feel the volume keys with your fingers: The key with 1 dot reduces the volume, while the key with 2 dots will increase volume.

Important Note:

If Your Bluetooth™ headset should be moved away from the mobile phone outside the communication range, it may be necessary to re-establish the connection later again. To reconnect Your headset, press the start-stop key ■ of Your headset. If this should not help to reconnect the headset to Your phone, it may be necessary in some cases to switch the headset 1 x **off** and **on** again, before pressing the start-stop button ■ can re-establish the communication.

Reset procedure to factory default status

A reset procedure can help to re-established a lost connection between the Bluetooth™ headset and the cellular phone or any other device to which You have paired Your headset. This will always be necessary before pairing the headset with another phone, or sometimes, after a data error or any other malfunction should have stopped Your system from running. ***Especially if You should wish to connect Your mobile***

phone's headset to another device with* Bluetooth™ *technology like the audio gateway BT 2000 set.

Starting Reset

- (1) Switch Your headset **OFF** with power switch (slide switch).
- (2) Switch Headset **ON** again
- (3) Press all **3 keys at headset together** and keep them pressed for about **3 seconds.** Hold headset during that procesure near to Your ears. You will hear s short melody marking a successful reset. If You should not hear the melody within 1-2 seconds, the reset was not successful and You should repeat steps (1) to (3).
- (4) Release all buttons.
- (5) Switch the headset 1 x **OFF** and **ON** again at the slide switch (power off-on).

After reset of the headset You can now repeat the pairing procedure with Your mobile phone. The same procedure applies for connecting with the audio gateway (BT 2000 set) for communication with corded phones.

Update hints: On our homepage you can find further information concerning

- Albrecht Bluetooth products
- Revised user manuals
- Technical documents
- Declaration of conformity
- List of countries with special regulations

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Technical Data

Wireless transmission system	Spread-Spectrum Bluetooth ™ Standard 1.1, Class 2
Frequency range	2402 to 2480 MHz
Channels	79 with 1 Mhz bandwidth per channel
Radiated transmission power (ERP)	max. + 4 dBm (2.5 mW), with automatic power control
Modulation	digital encryption, FHSS, GMSK, 1 Mbit/s
Channel occupancy system	frequency hopping 625 µs time slot
Maximum communication distance	approx. 10 m
Operating time	switched on (StandBy) more than 72 hours talk time more than appr. 5 hours
Audio-processing	PCM Codec, ear protection and level control via chipset DSP, 16 steps volume setting
Headset power supply	high power lithium polymere battery 200/300 mAh
Energy saving circuit	automatic 1:72 in longer standby periods
Charging adaptor	smart charger with automatic full battery detecting, cigarette lighter adapter (12 V) with "e" approval
Weight	headset (without neck strip) 29 g
Applied European Standards	EN 300 328-2 V 1.2.1; EN 301 489-01 V 1.3.1 EN 301 489-17 V 1.1.1 ; EN 60950 + A1, A2, A3, A4, A11

CE Marking & Conformity Declaration

CE 0197 ①

This unit fullfills the above mentioned European Standards and is marked with CE and the "notified body's" registration number 0197 (TÜV Rheinland). You will also find the "alert sign" for Class 2 equipment according to R&TTE directive, because Bluetooth applications are free for use within EU, but not yet declared to be free usable in all other european countries. Our latest issue of Conformity Declaration and product documentation can be downloaded from our service homepage under **http://www.alan-albrecht.info**

Safety notes

While the transmitting power of Bluetooth™ Systems is much below (up to a factor of 1000) the radiated power levels of hand held GSM phones and is generally not regarded as dangerous, interference effects between radio transmitters and other electronic devices cannot be excluded in sensitive environments, like medical centers, and airplanes. Operators may request that Bluetooth™ devices must remain switched off in such areas.

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Important information for perfect fit of the Bluetooth headset BT 1000/2000

Please note the following advice and you will be enthusiastic about the comfortable fit of this headset.

1.

Fold back the earhook until it locks, then place the headset on your right outer ear.

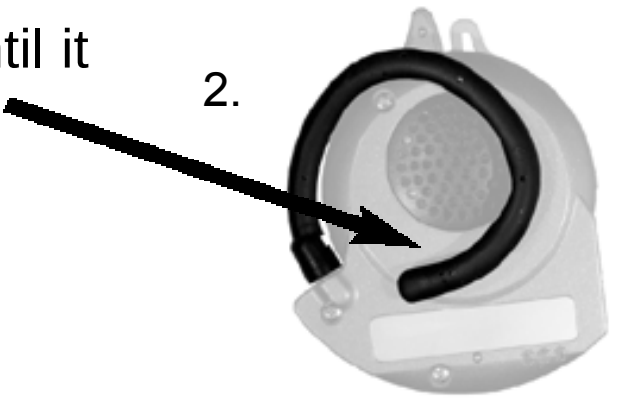
1.

Important
Please follow advice no. 2!

2.

Adjust the the flexible end of the earhook by pushing/bending until it sits tightly.
The hook is very fle ible

2.



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